



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Uwe Marx et al.  
Serial No: 10/622,502  
Filing Date: July 18, 2003  
Title: Method and device for cultivating at high densities and for obtaining  
of products from these cells  
Examiner: Law Office:

January 8, 2004

Attorney's docket No.: Weh212T1

**TRANSMITTAL LETTER**

Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

SIR:


Transmitted herewith for filing is:

- <X> Supplemental Information Disclosure Statement under 37 CFR § 1.97.
- <X> Copy of International Search Report
- <X> Copies of the following references:
  - US-6,306,644, US-5,510,257, US-5,081,036, EP 0 234 868, WO 99/02646
  - Weathers P.J. et al.: "Aeroponics for the culture of organisms tissues and cells
  - "Biotechnology Advances, Vol. 10, No. 1, pp. 93-115 (1992) XP001150080.
  - Shatford R.A. et al: "Hepatocyte function in a hollow fiber bioreactor: A potential
  - bioartificial liver "Journal of Surgical Research, Vol. 53, No. 6, pp. 549-557
  - (1992) XP008022832.
  - Friberg J.A. et al. "Culture of amebocytes in a nutrient mist bioreactor" In Vitro
  - Cell Dev Biol. Mar; 28A(3 Pt 1):215-7 (1992) XP008011640.

(X) The applicant hereby petitions the Commissioner of Patents and Trademarks to extend the time for response to any Office Action outstanding in the above captioned matter as necessary to avoid abandonment of the application. Please charge my deposit account No.11-0224 in the amount required to cover the cost of the extension. Any deficiency or overpayment should be charged or credited to the above account.

(X) The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16, and 1.17, after a mailing of a Notice of Allowance under 37 CFR 1.18 or any additional fees which may be required during the entire pendency of the application, or credit any overpayment, to Acct. No.11-0224. A duplicate copy of this sheet is enclosed. If and only if account funds should be insufficient, immediately contact our associate, Lisa Zumwalt, at (703)415-0579, who will pay immediately to avoid deprivation of rights.

( ) Please charge my Deposit Account No.11-0224 in the amount of \$\_\_\_\_\_. A duplicate copy of this sheet is enclosed. A signature or signatures required for the above recited document(s) is (are) provided herebelow. Such signature(s) also provide(s) ratification for any required signature appearing to be defective in the above recited document(s).

  
Horst Kasper, 13 Forest Drive, Warren, N.J.07059  
Reg. No. 28,559; Tel.(908)526-1717

**CERTIFICATE OF MAILING:**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Hon. Commissioner for Patents and Trademarks, Washington, D.C. 20231, on

Signature: \_\_\_\_\_

*M. K. ...*

Date: \_\_\_\_\_

**12 JAN 2004**

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**SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR § 1.97.**

Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

SIR:

Applicants are respectfully submitting the references cited in the  
International Search Report of International Publication No. WO 03/064586:

The following references are enclosed for the Examiner's  
consideration:

-US 6,306,644

-US 5,510,257

-US 5,081,036

-EP 0234 868

-WO 99/02646

-Weathers P.J. et al.: "Aeroponics for the culture of organisms tissues  
and cells "Biotechnology Advances, Vol. 10, No. 1, pp. 93-115 (1992)  
XP001150080.



-Shatford R.A. et al: "Hepatocyte function in a hollow fiber bioreactor: A potential bioartificial liver" Journal of Surgical Research, Vol. 53, No. 6, pp. 549-557 (1992) XP008022832.

-Friberg J.A. et al. "Culture of amebocytes in a nutrient mist bioreactor" In Vitro Cell Dev Biol. Mar; 28A(3 Pt 1):215-7 (1992) XP008011640.

The above recited references taken alone or in combination are believed to neither anticipate nor to render obvious the present application.

Respectfully submitted,  
Uwe Marx et al.

By: *Horst Kasper*  
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Reg.No. 28,559, Docket No: WEH212

\*/am

**Documents cited in the International Search Report of WO 03/064586:**

<b>U.S. Patent Documents</b>					
Document Number	Date	Name	Class	Sub Class	Filing date
6,306,644	10/23/01	Marx	435	294.1	03/12/01
5,510,257	04/23/96	Sirkar	435	182	10/04/89
5,081,036	01/14/92	Familletti	435	286	09/28/90
<b>Foreign Patent Documents</b>					
Document Number	Filing date	Country	Publ. date	Class	Translation
EP 0 234 868 A2	02/19/87	EP	09/02/87	C12M3/00	
WO 99/02646 A1	07/07/98	WO	01/21/99	C12M3/04	
<b>Other Documents</b>					
Weathers P.J. et al.: "Aeroponics for the culture of organisms tissues and cells" Biotechnology Advances, Vol. 10, No. 1, pp. 93-115 (1992) XP001150080					
Shatford R.A. et al.: "Hepatocyte function in a hollow fiber bioreactor: A potential bioartificial liver" Journal of Surgical Research, Vol. 53, No. 6, pp. 549-557 (1992) XP008022832					
Friberg J.A. et al. "Culture of amebocytes in a nutrient mist bioreactor" In Vitro Cell Dev Biol. Mar; 28A(3 Pt 1):215-7 (1992) XP008011640					